```python
import pandas as pd

from matplotlib import pyplot as plt

StudentsPerformance = pd.read_csv("/content/StudentsPerformance.csv")

StudentsPerformance
```

| | gender | race/ethnicity | parental level of education | lunch | test preparation course | math score | reading score | writing score |
|---|---|---|---|---|---|---|---|---|
| 0 | female | group B | bachelor's degree | standard | none | 72 | 72 | 74 |
| 1 | female | group C | some college | standard | completed | 69 | 90 | 88 |
| 2 | female | group B | master's degree | standard | none | 90 | 95 | 93 |
| 3 | male | group A | associate's degree | free/reduced | none | 47 | 57 | 44 |
| 4 | male | group C | some college | standard | none | 76 | 78 | 75 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 995 | female | group E | master's degree | standard | completed | 88 | 99 | 95 |
| 996 | male | group C | high school | free/reduced | none | 62 | 55 | 55 |
| 997 | female | group C | high school | free/reduced | completed | 59 | 71 | 65 |
| 998 | female | group D | some college | standard | completed | 68 | 78 | 77 |
| 999 | female | group D | some college | free/reduced | none | 77 | 86 | 86 |

1000 rows × 8 columns

```python
# Scatter plot with parental level of education against math score
plt.scatter(StudentsPerformance['parental level of education'], StudentsPerformance['math score'])

# Adding Title to the Plot
plt.title("Scatter Plot")

# Setting the X and Y labels
plt.xlabel('parental level of education')
plt.ylabel('math score')

plt.show()
```
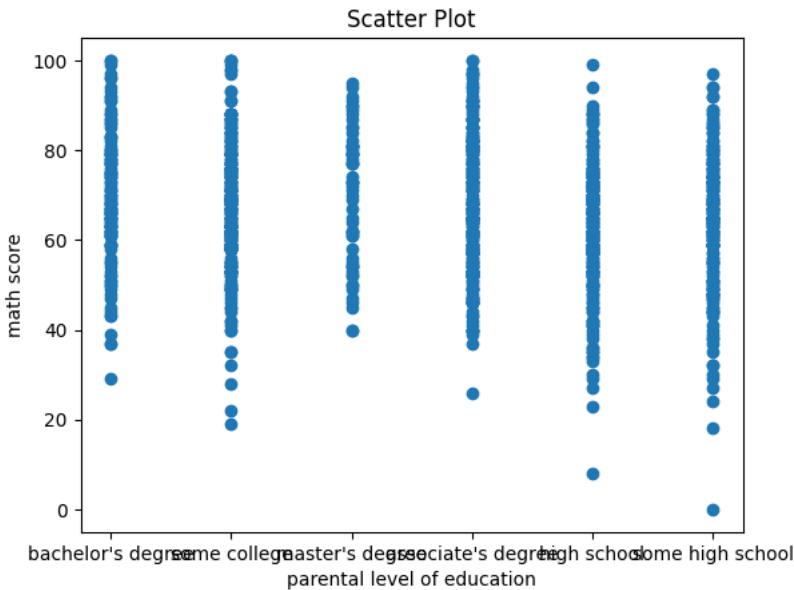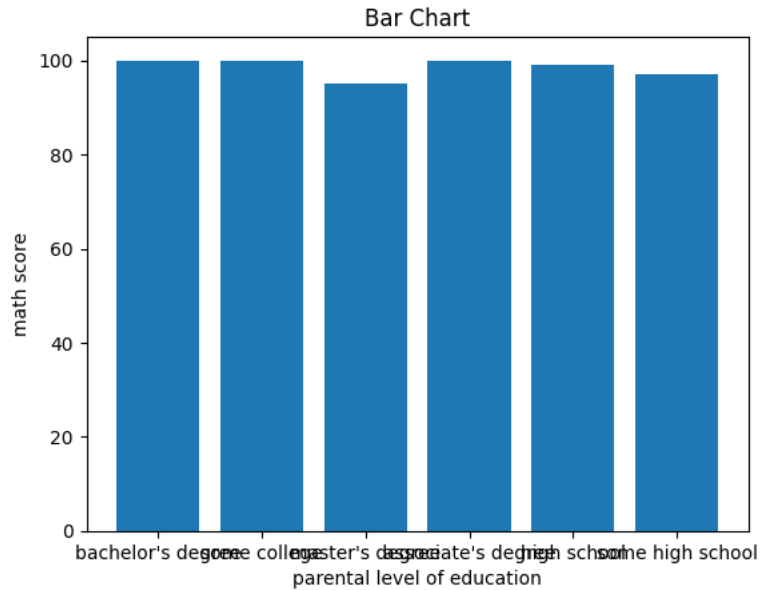
```
# Bar chart with day against tip
plt.bar(StudentsPerformance['parental level of education'], StudentsPerformance['math score'])

plt.title("Bar Chart")

# Setting the X and Y labels
plt.xlabel('parental level of education')
plt.ylabel('math score')

# Adding the legends
plt.show()
```
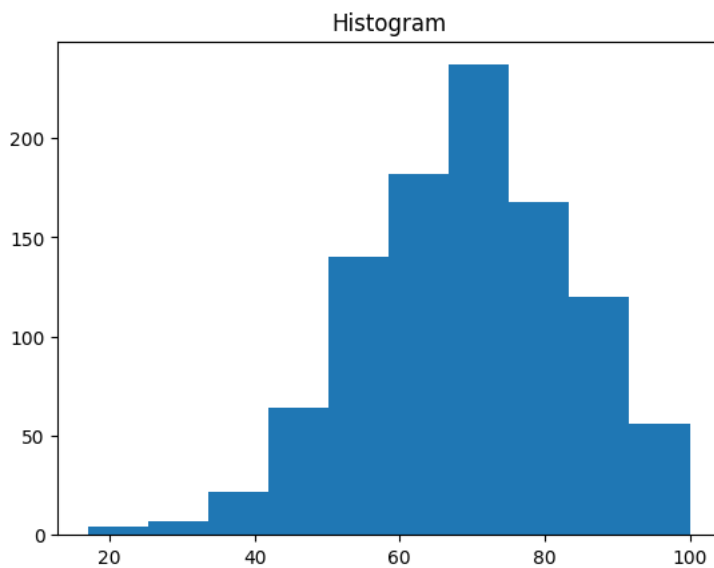


```
# histogram of reading score
plt.hist(StudentsPerformance['reading score'])

plt.title("Histogram")

# Adding the legends
plt.show()
```
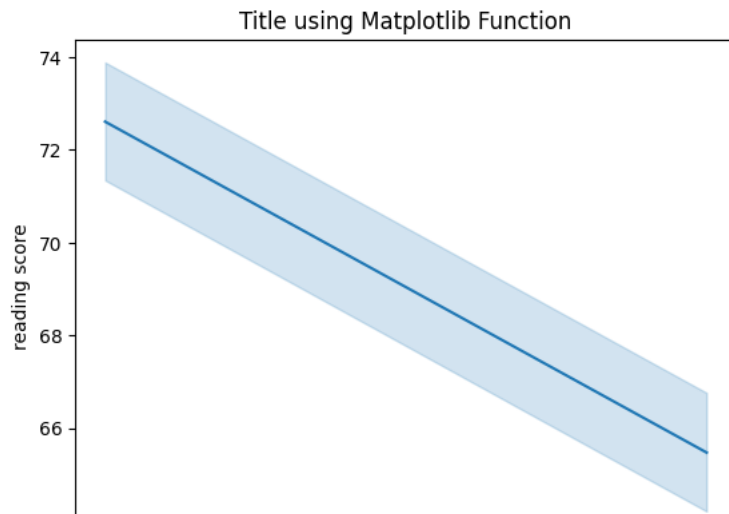


```
import seaborn as sns
```

```
# draw lineplot
sns.lineplot(x="gender", y="reading score", data=StudentsPerformance)

# setting the title using Matplotlib
plt.title('Title using Matplotlib Function')

plt.show()
```



```
sns.barplot(x='gender',y='reading score', data=StudentsPerformance,
            hue='lunch')

plt.show()
```